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INFORMATION ON SOVIET INSTITUTES IN FIELD OF COMMUNICATIONS

/Comment: The following presents information on Soviet institutes in the field of communications. Numbers in parentheses refer to appended sources./

The following works and scientists have been identified with the institutions named.

Central Scientific Research Institute of Communications, Ministry of Communications (TsNIIS)

Address: Ul. Kazakova 16, Moscow.(1)

Mel'nikov, V. S., and Nikolayev, B. A., "Brief Report on Results of Observations of Short-Wave FM Telephone Reception."(2)

Teumin, I. I., "Transient Interference in Pulse-Time Modulation," Byull. TsNIIS, No 9, 1947.(3)

Borodich, S. V., "Analysis of Noise Rejection in Pulse-Time Modulation," Sbor Nauch Trudov TsNIIS, 1949.(3)

Minashin, V. P., and Kalashinkov, N. I., "Engineering Design of Cavity Resonators for Use in the Centimeter-Wave Band."(3)

Kuleshov, V. N., "Design Formulas for Building High-Frequency Cables."(3)

Akinfiyev, N. N., "Optimum Length of Amplifier Sections of Trunk Line Cables."(3)

Blokhin, A. S., "Analysis of Nonlinear Distortion Caused by the Cores of Coils and Transformers."(3)

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STATE		NAVY		NSRB		DISTRIBUTION						
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Vladimirov, J. A., "Theory and Design of Symmetrical Trigger Circuits."(3)

Shvartsman, V. O., "Analysis of Various Methods for Making Communications Cables Symmetrical."(3)

Gints, Yu. R., "Practical Method of Designing Narrow Band Filters for Ordinary Bridge Circuits," Sbor Nauch Trudov TsNIIS, 1949.(3)

Kosikov, K. M., "Electric Field Intensity of Short-Wave Transmitters," Byull po Rasprost Radiovoln TsNIIS, 1-2, 1936.(4)

Kosikov, K. M., "Measurement Data of the Moscow Ionospheric Station," TsNIIS, 1944 - 1945.(4)

A group of engineers of this institute developed a method for converting radiotelegraph communications to frequency-shift keying by adding comparatively simple adapters to the present transmitters and receivers. In some cases, addition of this adapter is equivalent to five-to eightfold increase in transmitter power.(5)

Scientific Research Institute of /Shipbuilding Engineering?/ Ministry of the Navy (NIISI VMS)

L'vovich, A. A., "Sensitivity of Radiotelegraph Receivers," dissertation, 1947, held at library of this institute.(2)

Moscow Institute of Communications Engineers (MIIS)

Khaskelis, Ye. L., "Analysis of Errors in Automatic Regulation of Transmission Levels in High-Frequency Telephone Systems Using Overhead Lines." dissertation, 1947.(6)

Strausov, B. G., "Device for Controlling the Power of Transmitters in Short-Wave Stations," Candidate's dissertation, MIIS, 1946.(7)

Katayev, S. I., Assisted V. S. Samoylov in preparing his paper "Design of a Saw-Tooth Current Oscillator."(8)

Leningrad Electrical Engineering Institute of Communications imeni Prof M. A. Bonch-Bruyevich (LEIS)

The following have been identified with the institute in works published in Sbornik Trudov LEIS imeni Bonch-Bruyevich. No 6, 1949.(9)

Gavrilov, A. F., "Fourier Series Expansion of sin ($z \cdot \sin\omega t$) and Similar Functions."

Romanovskiy, V. B., "Transient Phenomena in Electrical Circuits."

Genzel', G. S., "Practical Methods of Calculating Permeability of Annular Air Gaps."

Gurvich, B. I., "A System of Two Coupled Circuits With Active Series Coupling."

Zeytlenok, G. A., "Modern Schemes of Neutralization Circuits in Radio Engineering."

Savina, N. A., "Time Characteristics of Maximum Gain Limiters in Broadcasting Channels."

Fradin, A. Z. and Khatskelevich, V. A., "Symmetrical and Asymmetrical Adcock Antenna Feeder Systems."

Khlebnikov, N. N., "Modern Pulse Electron Tubes."

Yegorov, K. P., "Differential Systems of Long-Distance Communications Equipment."

Epshteyn, S. L., "Russian Inventors of Microphones."

Rizkin, A. A., "Method of Analyzing Transient Processes in Linear Four-Terminal Networks."(10)

Leningrad Institute of Communications Engineers (LIIS)

L'vovich, A. A., "Sensitivity of Radiotelegraph Receivers," dissertation, 1947, held at library of this instiute.(2)

Moscow Electrical Engineering Institute for Communications (MEIS)

The institute has faculties of radio engineering, electrical engineering, electrical communications, and engineering economics. Its main function is to train radio engineers, electrical engineers, and electrical technicians. Among the staff members are A. A. Pistol'kors, T. S. Khachaturov, G. V. Shuleykin, A. D. Ignat'yev, V. V. Furduyev, N. A. Bayev, P. K. Akul'shin, I. A. Kashcheyev, Ye. V. Kitayev, and A. I. Romanovskiy.

The institute has numerous well-equipped laboratories and a large technical library. The most popular laboratories are those of theoretical fundamentals of radio engineering, construction of radio receivers, radio broadcasting and sound recording, construction of radio transmitters, television, and long-distance communications. The institute has a radio club and a radio station. A. F. Zenevich is director of the station.(11)

The following have been identified with the institute:

Govorkov, V. A., "The Design of Cores."(12)

Mel'nikov, V. S.(13)

Pokrass, M. P., "Solution of the Telegraph Equations by the Operator Method When the Initial and Boundary Conditions Are Not Zero."(14)

Military Electrical Engineering (Red Banner) Academy of Communications imeni S. M. Budennyy (VKAS)

Murav'yev, K. Kh. Reported to be director of the academy.(4)

Vvedenskiy, B. A. and Arenberg, G. A., "Electric and Magnetic Field Components of Electromagnetic Waves," Trudy Voen Elektrotekh Akad Svazi, No 11, 1945 (15); "Remarks on the Hertz Vector Method in Electrodynamics Problems."(16)

Beschastnovi, P. S. and Sosunov, V. N., "Radio Transmitting Equipment."(17)

Krylov, N. N., "Superregenerative Reception and Pulse Signals."(8)

Afanas'yeva, B. P., and Kontorovich, M. O., "The Maximum Efficiency of Feeder Lines."(16)

Kisun'ko, G. V., "The Theory of Excitation of Radio Waves."(16)

Istrashkin, A. D., "Calculation of the Radiation Resistance of Antennas With Consideration for the Electrical Parameters of the Soil."

Slepyan, L. B., "Two Forms of the Helmholtz-Thevenen Method."(16)

Meyerovich, L. A., "The Theory of the Blocking Oscillator."(16)

Izyumov, N. M., "Action of a Pointed Pulse Transmission Upon a System of Resonance Circuits With One Side Coupled Together." (16)

Kolosov, A. A., "Input Receiving Equipment for Meter Waves."(18)

Braude, B. V., "Antenna Impedance Over Flat Land With Arbitrary Parameters."(18)

Ramm, G. S., "Feeding Antennas With Large Resistance."(18)

Denisov, I. D., "Results of an Investigation of an Self-Excited Oscillator With Electron Coupling (Dow Oscillator)."(19)

Khlebnikov, N. N., "Statistical Methods of Investigating Electron Tubes." (20)

Krogus, E. A., "A Square-Wave Pulse Generator."(21)

Rubinshteyn, Ya. M., "Ionospheric Studies and Tasks of the Ionospheric Station of the Academy."(21)

Mal'ko, G. B., "Measurement of the Internal Noise of a Receiver by Means of a Noise Diode."(20)

Vlasov, V. F. Reported to be a Major General in the Engineering Mechanics Service and Chief of the Chair of Electromechanics, author of "Electrovacuum Equipment."(22)

Klyatskin, I. G., and Afanas'yev, B. P., "Theoretical Principles of Radio Engineering."(20)

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4. Ibid., No 3-4, 1946
5. Ibid., No 6, 1947
6. Avtomatika i Telemekhanika, No 5, 1948
7. Radiotekhnika, No 2, 1947
8. Ibid., No 3, 1947
9. Letopis Zhurnal'nykh Statey, No 51, 1949

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10. Elektrichestvo, No 9, 1950
11. Radio, No 4, 1950
12. Elektrichestvo, No 4, 1950
13. Radio, No 5, 1951
14. Elektrichestvo, No 3, 1950
15. Zhurnal Tekhnicheskoy Fiziki, No 6, 1950
16. Trudy Akademii, No 12, 1946
17. Radiotekhnika, No 1, 1948
18. Trudy Akademii, No 13, 1946
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